

## Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID: SSSPTA1626GMS

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	FEB 28	PATDPAFULL - New display fields provide for legal status data from INPADOC
NEWS	4	FEB 28	BABS - Current-awareness alerts (SDIs) available
NEWS	5	MAR 02	GBFULL: New full-text patent database on STN
NEWS	6	MAR 03	REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS	7	MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS	8	MAR 22	KOREAPAT now updated monthly; patent information enhanced
NEWS	9	MAR 22	Original IDE display format returns to REGISTRY/ZREGISTRY
NEWS	10	MAR 22	PATDPASPC - New patent database available
NEWS	11	MAR 22	REGISTRY/ZREGISTRY enhanced with experimental property tags
NEWS	12	APR 04	EPFULL enhanced with additional patent information and new fields
NEWS	13	APR 04	EMBASE - Database reloaded and enhanced
NEWS	14	APR 18	New CAS Information Use Policies available online
NEWS	15	APR 25	Patent searching, including current-awareness alerts (SDIs), based on application date in CA/CAplus and USPATFULL/USPAT2 may be affected by a change in filing date for U.S. applications.
NEWS	16	APR 28	Improved searching of U.S. Patent Classifications for U.S. patent records in CA/CAplus
NEWS	17	MAY 23	GBFULL enhanced with patent drawing images
NEWS	18	MAY 23	REGISTRY has been enhanced with source information from CHEMCATS
NEWS	19	JUN 06	The Analysis Edition of STN Express with Discover! (Version 8.0 for Windows) now available
NEWS	20	JUN 13	RUSSIAPAT: New full-text patent database on STN
NEWS	21	JUN 13	FRFULL enhanced with patent drawing images
NEWS	22	JUN 27	MARPAT displays enhanced with expanded G-group definitions and text labels
NEWS	23	JUL 01	MEDICONF removed from STN
NEWS	24	JUL 07	STN Patent Forums to be held in July 2005
NEWS	25	JUL 13	SCISEARCH reloaded
NEWS	26	JUL 20	Powerful new interactive analysis and visualization software, STN AnaVist, now available
NEWS	27	AUG 11	Derwent World Patents Index(R) web-based training during August
NEWS	28	AUG 11	STN AnaVist workshops to be held in North America
NEWS	29	AUG 30	CA/CAplus -Increased access to 19th century research documents
NEWS	30	AUG 30	CASREACT - Enhanced with displayable reaction conditions
NEWS	31	SEP 09	ACD predicted properties enhanced in REGISTRY/ZREGISTRY

09/10/2005 10666594.trn

NEWS EXPRESS JUNE 13 CURRENT WINDOWS VERSION IS V8.0, CURRENT MACINTOSH VERSION IS V6.0C(ENG) AND V6.0JC(JP), AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

FILE 'HOME' ENTERED AT 21:25:00 ON 10 SEP 2005

```
=>
Uploading
THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE
Do you want to switch to the Registry File?
Choice (Y/n) :
Switching to the Registry File...
Some commands only work in certain files. For
command can only be used to look at the index
index. Enter "HELP COMMANDS" at an arrow prompt
commands which can be used in this file.
```

## => FILE REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 21:25:09 ON 10 SEP 2005  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2005 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 8 SEP 2005 HIGHEST RN 862771-58-2  
DICTIONARY FILE UPDATES: 8 SEP 2005 HIGHEST RN 862771-58-2

New CAS Information Use Policies. Enter HELP.USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

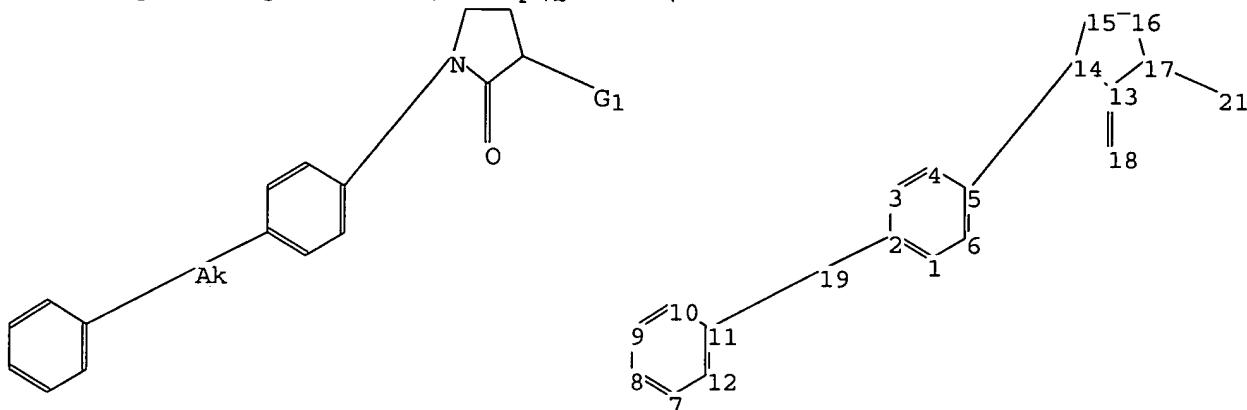
\*\*\*\*\*

\*  
 \* The CA roles and document type information have been removed from \*  
 \* the IDE default display format and the ED field has been added, \*  
 \* effective March 20, 2005. A new display format, IDERL, is now \*  
 \* available and contains the CA role and document type information. \*  
 \*  
 \*\*\*\*

Structure search iteration limits have been increased. See HELP SLIMITS for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>  
 Uploading C:\Program Files\Stnexp\Queries\10666594.str



chain nodes :  
 18 19 21  
 ring nodes :  
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17  
 chain bonds :  
 2-19 5-14 11-19 13-18 17-21  
 ring bonds :  
 1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 13-14 13-17  
 14-15 15-16 16-17  
 exact/norm bonds :  
 2-19 5-14 11-19 13-14 13-18 14-15 17-21  
 exact bonds :  
 13-17 15-16 16-17  
 normalized bonds :  
 1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12  
 isolated ring systems :  
 containing 1 : 7 : 13 :

09/10/2005 10666594.trn

G1:CN,NH,NH2

Match level :

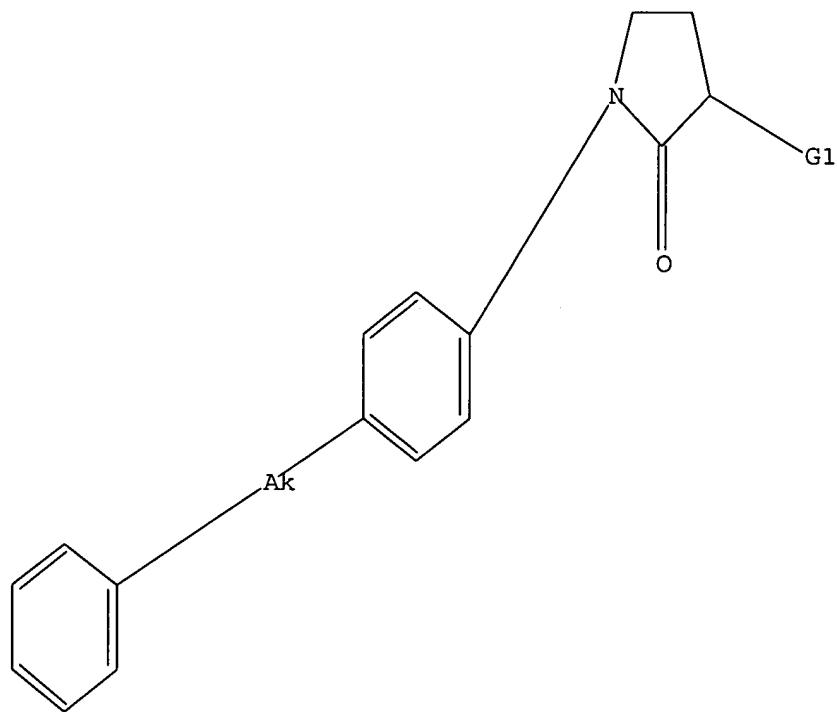
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom  
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS 19:CLASS  
21:CLASS

L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS

L1 STR



G1 CN,NH,NH2

Structure attributes must be viewed using STN Express query preparation.

=> s 11

SAMPLE SEARCH INITIATED 21:25:26 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 1735 TO ITERATE

100.0% PROCESSED 1735 ITERATIONS  
SEARCH TIME: 00.00.01

6 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 32202 TO 37198

09/10/2005 10666594.trn

PROJECTED ANSWERS: 6 TO 266

L2 6 SEA SSS SAM L1

=> s 11 sss full  
FULL SEARCH INITIATED 21:25:31 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 35590 TO ITERATE

100.0% PROCESSED 35590 ITERATIONS  
SEARCH TIME: 00.00.03

96 ANSWERS

L3 96 SEA SSS FUL L1

=> FIL HCAPLUS  
COST IN U.S. DOLLARS SINCE FILE TOTAL  
FULL ESTIMATED COST ENTRY SESSION  
161.33 161.54

FILE 'HCAPLUS' ENTERED AT 21:25:52 ON 10 SEP 2005  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 10 Sep 2005 VOL 143 ISS 12  
FILE LAST UPDATED: 9 Sep 2005 (20050909/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 13  
L4 220 L3  
  
=> s 14 and alzheimer  
36094 ALZHEIMER  
2949 ALZHEIMERS  
36159 ALZHEIMER  
(ALZHEIMER OR ALZHEIMERS)  
L5 0 L4 AND ALZHEIMER  
  
=> s 14 and disease  
792962 DISEASE  
216441 DISEASES  
892515 DISEASE  
(DISEASE OR DISEASES)  
L6 0 L4 AND DISEASE

09/10/2005 10666594.trn

=> s 14 and thu  
143 THU  
2261711 THUS  
2261839 THU  
(THU OR THUS)  
L7 101 L4 AND THU

=> s 14/thu  
FIELD CODES CANNOT BE CHANGED HERE  
You may have tried to apply a field code to a term that already has a field code. You can only add a field code to a term that has no field code appended to it.

=> s 14 and dementia  
11106 DEMENTIA  
539 DEMENTIAS  
11266 DEMENTIA  
(DEMENTIA OR DEMENTIAS)  
L8 0 L4 AND DEMENTIA

=> FIL REGISTRY  
COST IN U.S. DOLLARS SINCE FILE TOTAL  
ENTRY SESSION  
FULL ESTIMATED COST 24.50 186.04

FILE 'REGISTRY' ENTERED AT 21:31:36 ON 10 SEP 2005  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2005 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 8 SEP 2005 HIGHEST RN 862771-58-2  
DICTIONARY FILE UPDATES: 8 SEP 2005 HIGHEST RN 862771-58-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

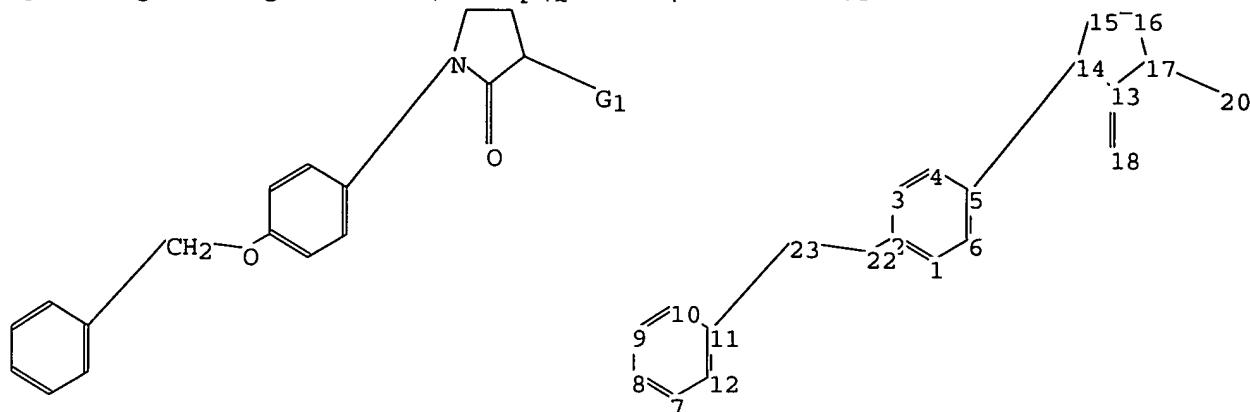
\*\*\*\*\*  
\*  
\* The CA roles and document type information have been removed from \*  
\* the IDE default display format and the ED field has been added, \*  
\* effective March 20, 2005. A new display format, IDERL, is now \*  
\* available and contains the CA role and document type information. \*  
\*  
\*\*\*\*\*

Structure search iteration limits have been increased. See HELP SLIMITS for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

09/10/2005 10666594.trn

```
=> Uploading C:\Program Files\Stnexp\Queries\10666594a.str
```



```

chain nodes :
18 20 22 23
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
chain bonds :
2-22 5-14 11-23 13-18 17-20 22-23
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 13-14 13-17
14-15 15-16 16-17
exact/norm bonds :
2-22 5-14 13-14 13-18 14-15 17-20
exact bonds :
11-23 13-17 15-16 16-17 22-23
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12
isolated ring systems :
containing 1 : 7 : 13 :

```

G1 : CN, NH, NH2

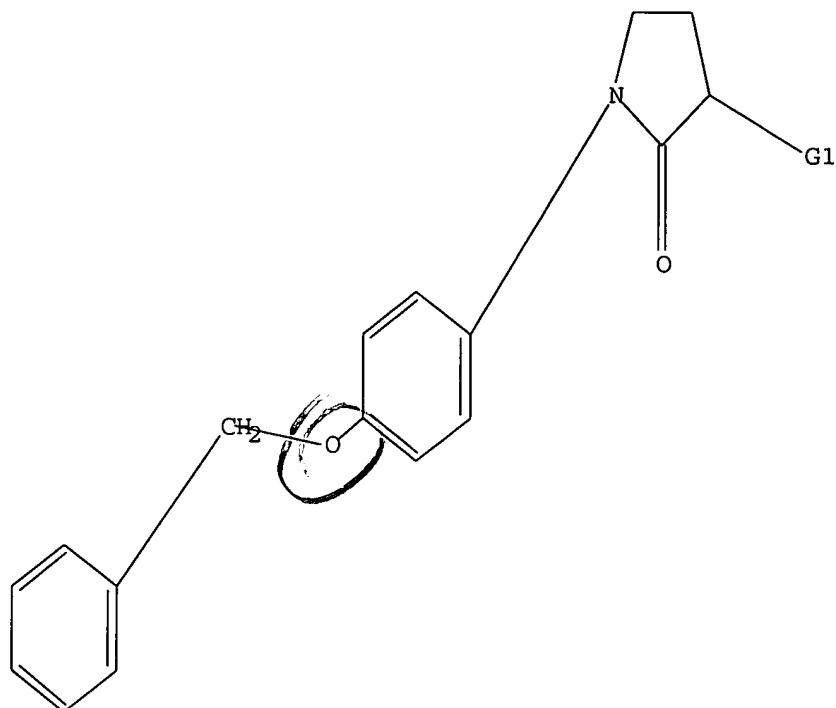
Match level :  
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom  
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS 20:CLASS  
22:CLASS 23:CLASS

L9 STRUCTURE UPLOADED

=> d 19

09/10/2005 10666594.trn

L9 HAS NO ANSWERS  
L9 STR



G1 CN,NH,NH2

Structure attributes must be viewed using STN Express query preparation.

=> s 19  
SAMPLE SEARCH INITIATED 21:31:56 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 23 TO ITERATE

100.0% PROCESSED 23 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 173 TO 747  
PROJECTED ANSWERS: 0 TO 0  
BATCH \*\*COMPLETE\*\*

L10 0 SEA SSS SAM 1.9

=> s 19 sss full  
FULL SEARCH INITIATED 21:32:02 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 482 TO ITERATE

100.0% PROCESSED 482 ITERATIONS  
SEARCH TIME: 00.00.01

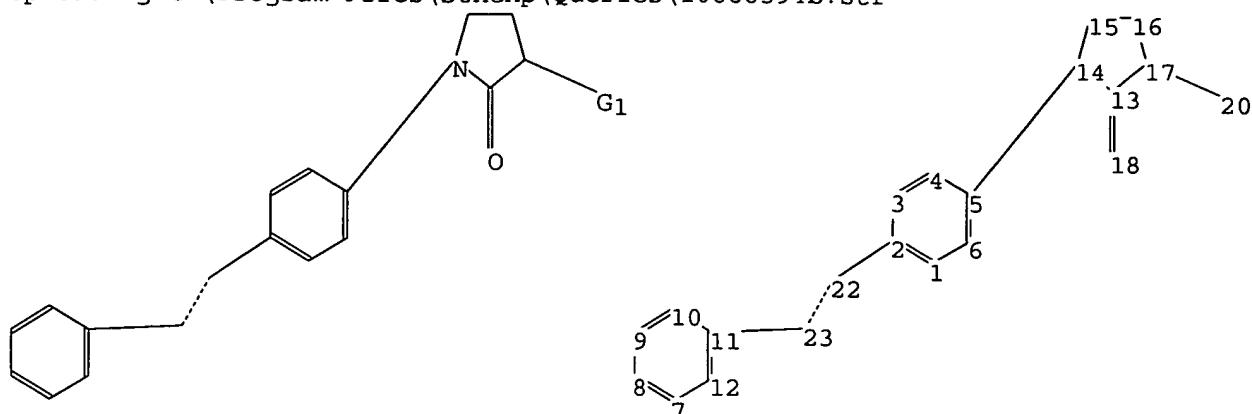
38 ANSWERS

L11 38 SEA SSS FUL L9

⇒

09/10/2005 10666594.trn

Uploading C:\Program Files\Stnexp\Queries\10666594b.str



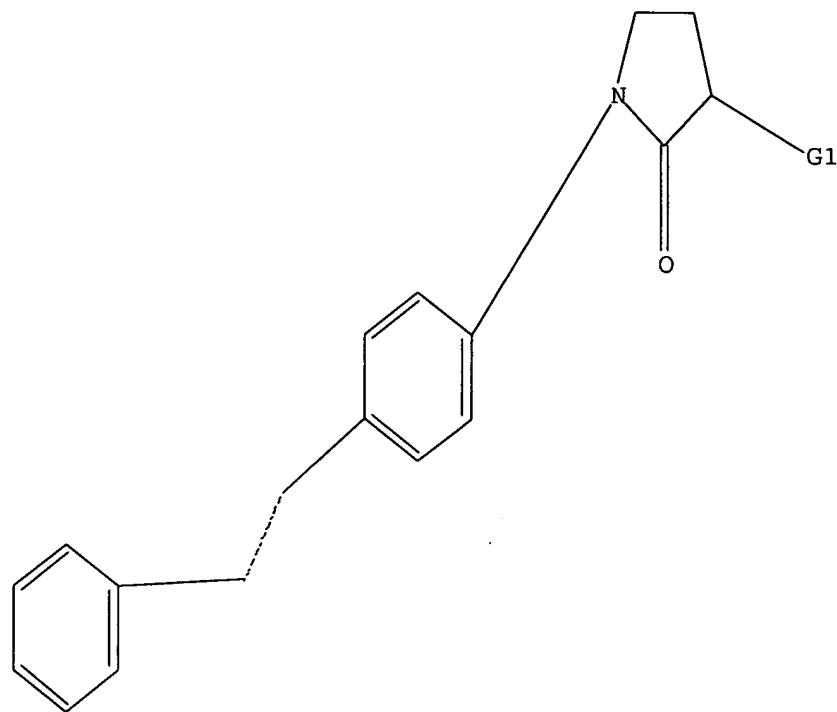
chain nodes :  
18 20 22 23  
ring nodes :  
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17  
chain bonds :  
2-22 5-14 11-23 13-18 17-20 22-23  
ring bonds :  
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 13-14 13-17  
14-15 15-16 16-17  
exact/norm bonds :  
5-14 13-14 13-18 14-15 17-20 22-23  
exact bonds :  
2-22 11-23 13-17 15-16 16-17  
normalized bonds :  
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12  
isolated ring systems :  
containing 1 : 7 : 13 :

G1:CN,NH,NH2

Match level :  
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom  
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS 20:CLASS  
22:CLASS 23:CLASS

L12 STRUCTURE UPLOADED

=> d 112  
L12 HAS NO ANSWERS  
L12 STR



G1 CN,NH,NH2

Structure attributes must be viewed using STN Express query preparation.

```
=> s 112
SAMPLE SEARCH INITIATED 21:34:47 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      3 TO ITERATE

100.0% PROCESSED      3 ITERATIONS          0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:      3 TO      163
PROJECTED ANSWERS:         0 TO      0
```

L13 0 SEA SSS SAM L12

```
=> s 112 sss full
FULL SEARCH INITIATED 21:34:53 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      30 TO ITERATE
```

```
100.0% PROCESSED      30 ITERATIONS         2 ANSWERS
SEARCH TIME: 00.00.01
```

L14 2 SEA SSS FUL L12

=> d his

(FILE 'HOME' ENTERED AT 21:25:00 ON 10 SEP 2005)

FILE 'REGISTRY' ENTERED AT 21:25:09 ON 10 SEP 2005

L1 STRUCTURE uploaded  
 L2 6 S L1  
 L3 96 S L1 SSS FULL

FILE 'HCAPLUS' ENTERED AT 21:25:52 ON 10 SEP 2005

L4 220 S L3  
 L5 0 S L4 AND ALZHEIMER  
 L6 0 S L4 AND DISEASE  
 L7 101 S L4 AND THU  
 L8 0 S L4 AND DEMENTIA

FILE 'REGISTRY' ENTERED AT 21:31:36 ON 10 SEP 2005

L9 STRUCTURE uploaded  
 L10 0 S L9  
 L11 38 S L9 SSS FULL  
 L12 STRUCTURE uploaded  
 L13 0 S L12  
 L14 2 S L12 SSS FULL

=&gt; FIL HCAPLUS

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	324.38	510.42

FILE 'HCAPLUS' ENTERED AT 21:35:21 ON 10 SEP 2005

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 10 Sep 2005 VOL 143 ISS 12  
 FILE LAST UPDATED: 9 Sep 2005 (20050909/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> S 111  
 L15 3 L11

=> S 114  
 L16 2 L14

=> S 14 and p/dt  
 4984908 P/DT  
 L17 130 L4 AND P/DT

=> s l17 and us/pc  
 1469720 US/PC  
 L18 25 L17 AND US/PC

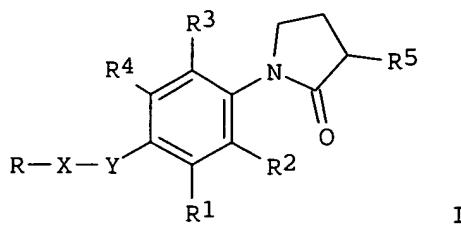
=> s l18 and py<=2002  
 22789427 PY<=2002  
 L19 25 L18 AND PY<=2002  
 => d l15 ibib abs hitstr tot

L15 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2005 ACS on STN  
 ACCESSION NUMBER: 2004:267295 HCAPLUS  
 DOCUMENT NUMBER: 140:287260  
 TITLE: Preparation of 4-pyrrolidinophenyl benzyl ether derivatives as Monoamine oxidase B inhibitors  
 INVENTOR(S): Jolidon, Synese; Rodriguez-Sarmiento, Rosa Maria; Thomas, Andrew William; Wostl, Wolfgang; Wyler, Rene F. Hoffmann-La Roche A.-G., Switz.  
 PATENT ASSIGNEE(S):  
 SOURCE: PCT Int. Appl., 37 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 3  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004026826	A1	20040401	WO 2003-EP10383	20030918
W: AE, AG, AL, AM, AT, AU, AZ, CO, CR, CU, CZ, DE, DK, DM, GH, GM, HR, HU, ID, IL, IN, LR, LS, LT, LU, LV, MA, MD, OM, PG, PH, PL, PT, RO, RU, TN, TR, TT, TZ, UA, UG, UZ, RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, CA 2498335	AA	20040401	CA 2003-2498335	20030918
US 2004097578	A1	20040520	US 2003-666594	20030918
US 2004106650	A1	20040603	US 2003-667088	20030918
US 2004116707	A1	20040617	US 2003-667087	20030918
EP 1542971	A1	20050622	EP 2003-757866	20030918
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003014314	A	20050726	BR 2003-14314	20030918
PRIORITY APPLN. INFO.:			EP 2002-21319	A 20020920
			WO 2003-EP10383	W 20030918

OTHER SOURCE(S): MARPAT 140:287260

GI



AB Title compds. I [R = (un)substituted Ph; X-Y = CH<sub>2</sub>CH<sub>2</sub>, CH:CH, CH<sub>2</sub>O; R<sub>1</sub>-R<sub>3</sub> = H, halogen; R<sub>4</sub> = H, halogen, Me; R<sub>5</sub> = (un)substituted CONH<sub>2</sub>, NH<sub>2</sub>] were prepared for use in the prevention and treatment of illness mediated by monoamine oxidase B, in particular Alzheimer's disease or senile dementia (no data). Thus, 4-PhCH<sub>2</sub>OC<sub>6</sub>H<sub>4</sub>NH<sub>2</sub> was treated with BrCH<sub>2</sub>CH<sub>2</sub>CHBrCOCl and the resulting amide cyclized with Dowex 2X10 to give 1-(4-benzyloxyphenyl)-3-bromo-2-pyrrolidinone which was treated with NaCN to give the 3-cyano analog.

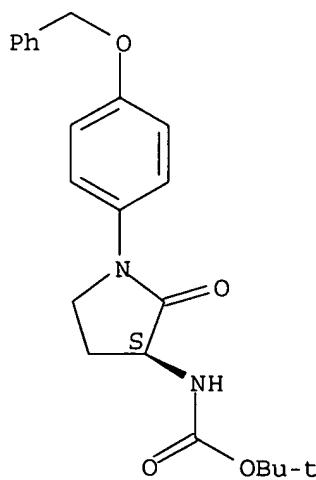
IT 676232-91-0P 676232-92-1P 676232-93-2P  
 676232-94-3P 676232-96-5P 676232-97-6P  
 676232-98-7P 676232-99-8P 676233-00-4P  
 676233-01-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation of 4-pyrrolidinophenyl benzyl ether derivs. as monoamine oxidase B inhibitors)

RN 676232-91-0 HCPLUS

CN Carbamic acid, [(3S)-2-oxo-1-[4-(phenylmethoxy)phenyl]-3-pyrrolidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

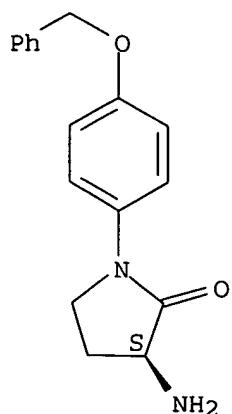
Absolute stereochemistry.



RN 676232-92-1 HCPLUS

CN 2-Pyrrolidinone, 3-amino-1-[4-(phenylmethoxy)phenyl]-, monohydrochloride, (3S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

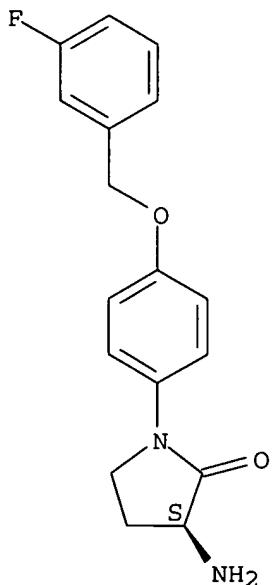


● HCl

RN 676232-93-2 HCPLUS

CN 2-Pyrrolidinone, 3-amino-1-[4-[(3-fluorophenyl)methoxy]phenyl]-, monohydrochloride, (3S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

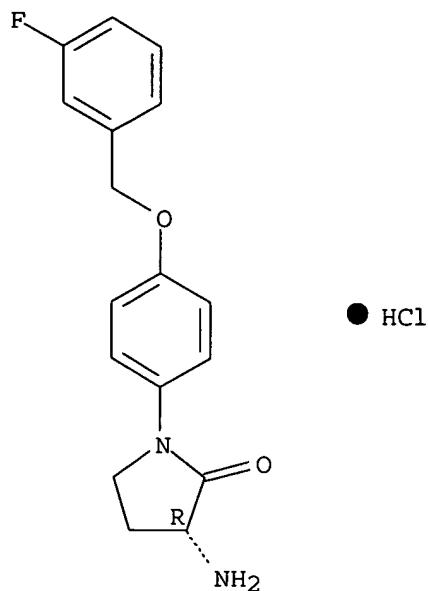


● HCl

RN 676232-94-3 HCPLUS

CN 2-Pyrrolidinone, 3-amino-1-[4-[(3-fluorophenyl)methoxy]phenyl]-, monohydrochloride, (3R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

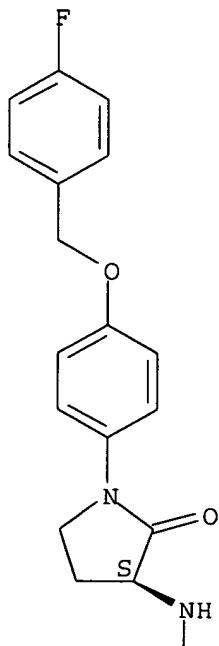


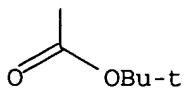
RN 676232-96-5 HCPLUS

CN Carbamic acid, [(3S)-1-[4-[(4-fluorophenyl)methoxy]phenyl]-2-oxo-3-pyrrolidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A

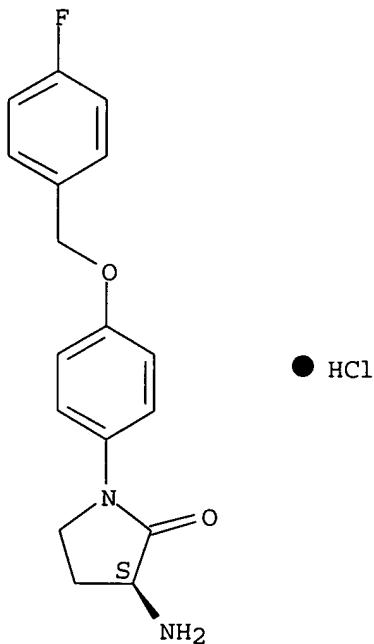




RN 676232-97-6 HCAPLUS

CN 2-Pyrrolidinone, 3-amino-1-[4-[(4-fluorophenyl)methoxy]phenyl]-, monohydrochloride, (3S)- (9CI) (CA INDEX NAME)

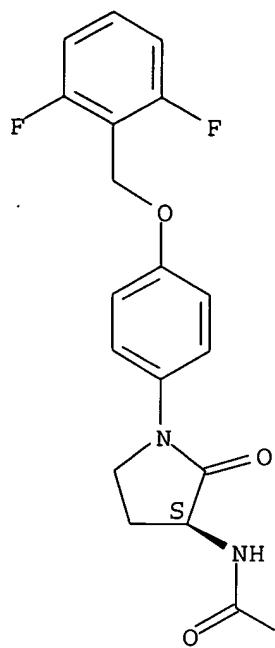
## Absolute stereochemistry.



RN 676232-98-7 HCAPLUS

CN Carbamic acid, [(3S)-1-[4-[(2,6-difluorophenyl)methoxy]phenyl]-2-oxo-3-pyrrolidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

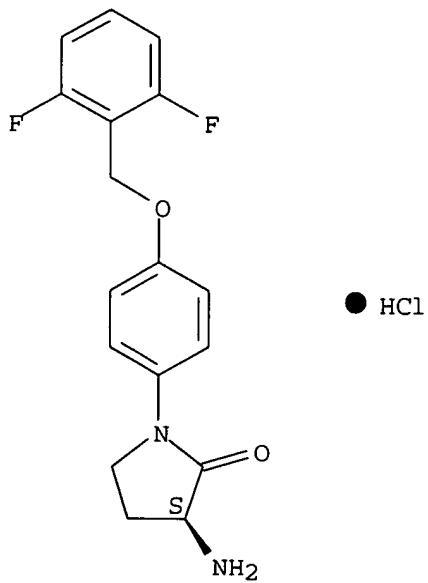
## Absolute stereochemistry.



RN 676232-99-8 HCPLUS

CN 2-Pyrrolidinone, 3-amino-1-[4-[(2,6-difluorophenyl)methoxy]phenyl]-, monohydrochloride, (3S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

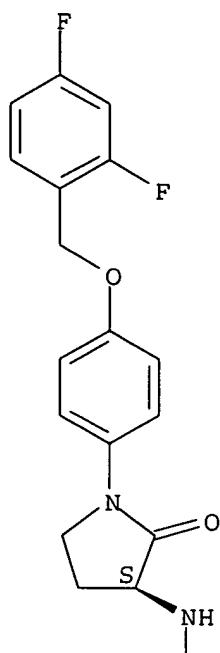


RN 676233-00-4 HCPLUS

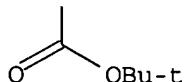
CN Carbamic acid, [(3S)-1-[4-[(2,4-difluorophenyl)methoxy]phenyl]-2-oxo-3-pyrrolidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



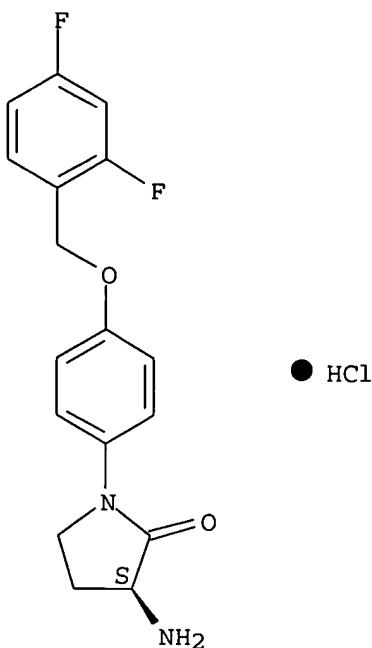
PAGE 2-A



RN 676233-01-5 HCPLUS

CN 2-Pyrrolidinone, 3-amino-1-[4-[(2,4-difluorophenyl)methoxy]phenyl]-, monohydrochloride, (3S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

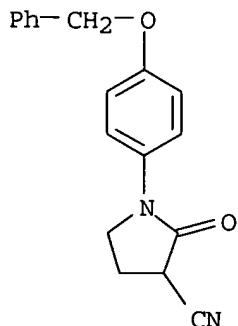


IT 676232-62-5P 676232-69-2P 676232-70-5P  
 676232-71-6P 676232-72-7P 676232-73-8P  
 676232-74-9P 676232-75-0P 676232-76-1P  
 676232-77-2P 676232-78-3P 676232-79-4P  
 676232-80-7P 676232-81-8P 676232-82-9P

RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of 4-pyrrolidinophenyl benzyl ether derivs. as monoamine oxidase B inhibitors)

RN 676232-62-5 HCPLUS

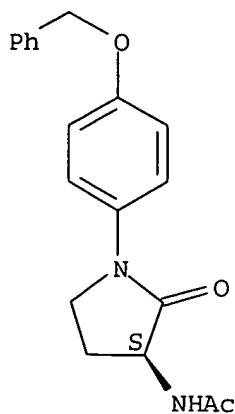
CN 3-Pyrrolidinecarbonitrile, 2-oxo-1-[4-(phenylmethoxy)phenyl]- (9CI) (CA INDEX NAME)



RN 676232-69-2 HCPLUS

CN Acetamide, N-[(3S)-2-oxo-1-[4-(phenylmethoxy)phenyl]-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

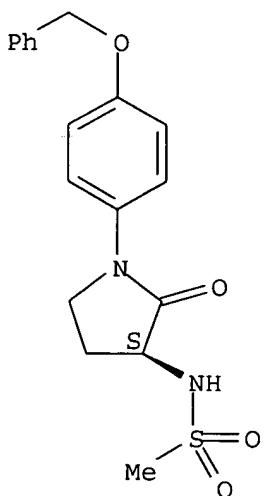
Absolute stereochemistry.



RN 676232-70-5 HCPLUS

CN Methanesulfonamide, N-[(3S)-2-oxo-1-[(4-(phenylmethoxy)phenyl]pyrrolidinyl]- (9CI) (CA INDEX NAME)

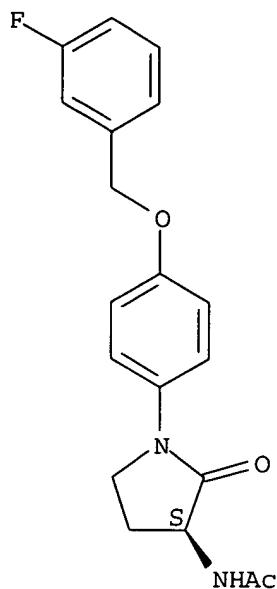
Absolute stereochemistry.



RN 676232-71-6 HCPLUS

CN Acetamide, N-[(3S)-1-[(4-[(3-fluorophenyl)methoxy]phenyl]-2-oxo-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

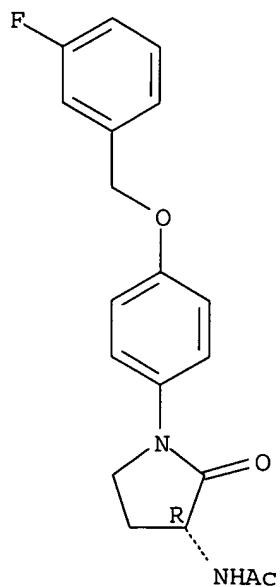
Absolute stereochemistry.



RN 676232-72-7 HCPLUS

CN Acetamide, N-[(3R)-1-[4-[(3-fluorophenyl)methoxy]phenyl]-2-oxo-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

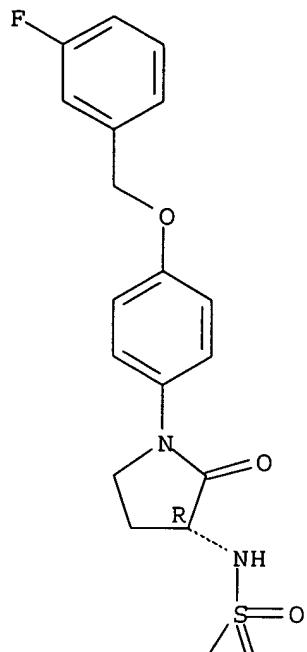


RN 676232-73-8 HCPLUS

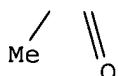
CN Methanesulfonamide, N-[(3R)-1-[4-[(3-fluorophenyl)methoxy]phenyl]-2-oxo-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 2-A

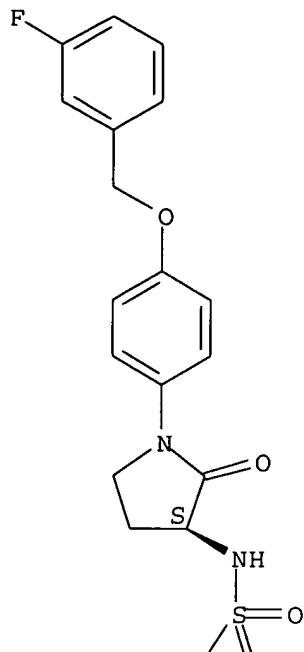


RN 676232-74-9 HCAPLUS

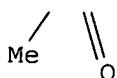
CN Methanesulfonamide, N-[(3S)-1-[4-[(3-fluorophenyl)methoxy]phenyl]-2-oxo-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 2-A

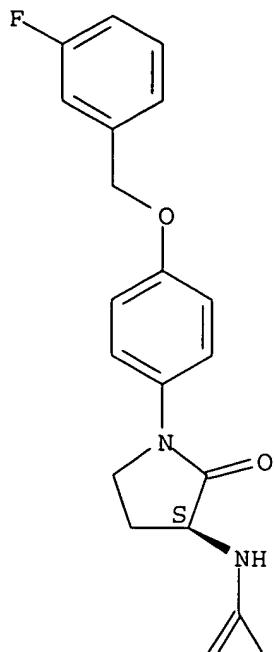


RN 676232-75-0 HCAPLUS

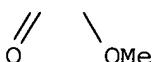
CN Carbamic acid, [(3S)-1-[4-[(3-fluorophenyl)methoxy]phenyl]-2-oxo-3-pyrrolidinyl]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



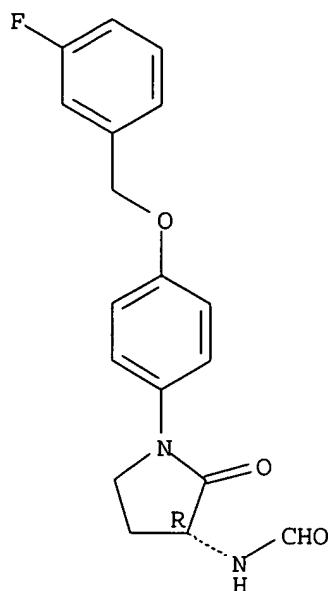
PAGE 2-A



RN 676232-76-1 HCAPLUS

CN Formamide, N-[(3R)-1-[4-[(3-fluorophenyl)methoxy]phenyl]-2-oxo-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

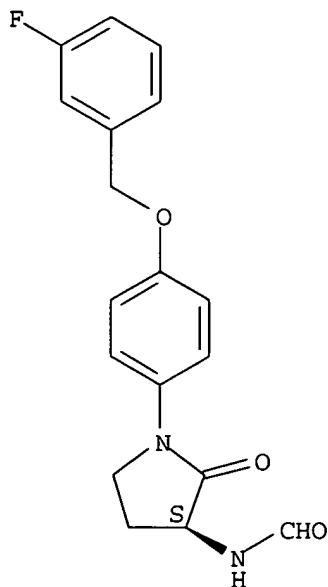
Absolute stereochemistry.



RN 676232-77-2 HCPLUS

CN Formamide, N-[(3S)-1-[4-[(3-fluorophenyl)methoxy]phenyl]-2-oxo-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

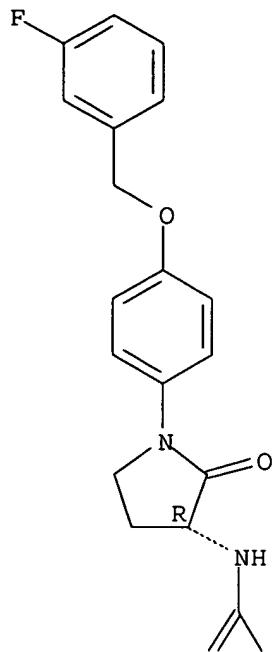


RN 676232-78-3 HCPLUS

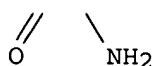
CN Urea, [(3R)-1-[4-[(3-fluorophenyl)methoxy]phenyl]-2-oxo-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 2-A

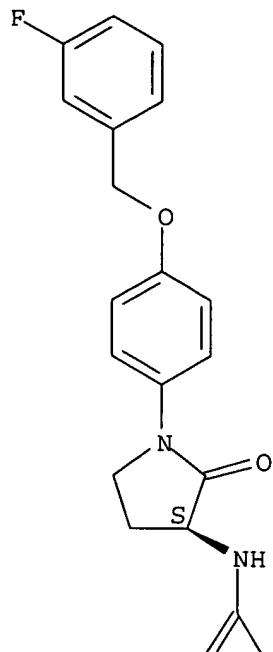


RN 676232-79-4 HCAPLUS

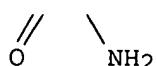
CN Urea, [(3S)-1-[4-[(3-fluorophenyl)methoxy]phenyl]-2-oxo-3-pyrrolidinyl]-  
(9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



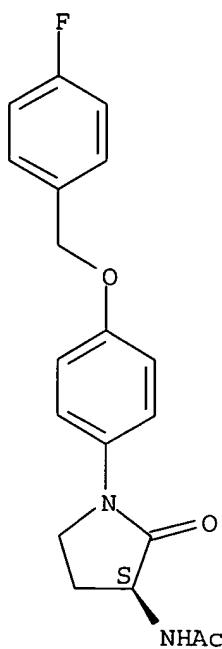
PAGE 2-A



RN 676232-80-7 HCPLUS

CN Acetamide, N-[(3S)-1-[(4-[(4-fluorophenyl)methoxy]phenyl)-2-oxo-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

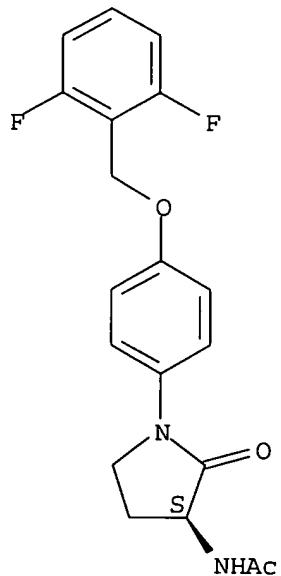
Absolute stereochemistry.



RN 676232-81-8 HCPLUS

CN Acetamide, N-[(3S)-1-[(4-[(2,6-difluorophenyl)methoxy]phenyl)-2-oxo-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

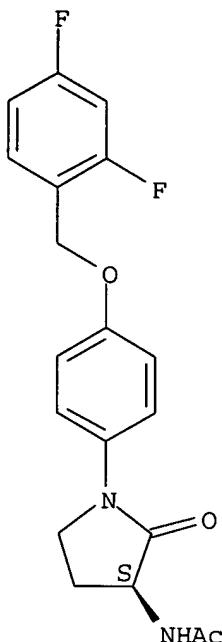
Absolute stereochemistry.



RN 676232-82-9 HCPLUS

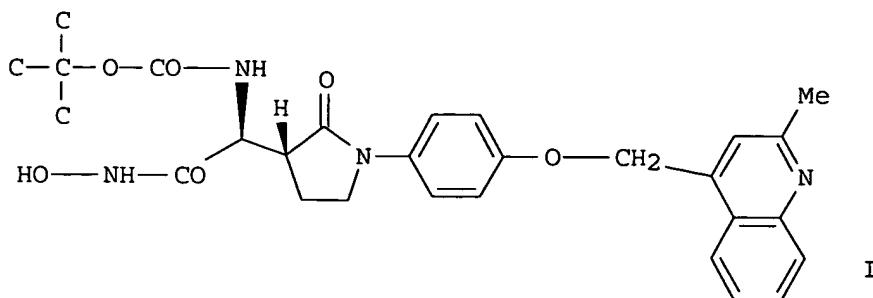
CN Acetamide, N-[(3S)-1-[(4-[(2,4-difluorophenyl)methoxy]phenyl)-2-oxo-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 2 OF 3 HCPLUS COPYRIGHT 2005 ACS on STN  
ACCESSION NUMBER: 2003:405944 HCPLUS  
DOCUMENT NUMBER: 139:143363  
TITLE: Discovery of N-Hydroxy-2-(2-oxo-3-pyrrolidinyl)acetamides as potent and selective inhibitors of tumor necrosis factor- $\alpha$  converting enzyme (TACE)  
AUTHOR(S): Duan, James J.-W.; Lu, Zhonghui; Xue, Chu-Biao; He, Xiaohua; Seng, Jennifer L.; Roderick, John J.; Wasserman, Zelda R.; Liu, Rui-Qin; Covington, Maryanne B.; Magolda, Ronald L.; Newton, Robert C.; Trzaskos, James M.; Decicco, Carl P.  
CORPORATE SOURCE: Bristol-Myers Squibb Pharmaceutical Research Institute, Princeton, NJ, 08543-4000, USA  
SOURCE: Bioorganic & Medicinal Chemistry Letters (2003), 13(12), 2035-2040  
PUBLISHER: Elsevier Science B.V.  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OTHER SOURCE(S): CASREACT 139:143363  
GI



AB New inhibitors of tumor necrosis factor- $\alpha$  converting enzyme (TACE) were discovered using an N-hydroxy-2-(2-oxo-3-pyrrolidinyl)acetamide scaffold. The series was potent in a porcine TACE (pTACE) assay with IC50s typically below 5 nM. For most compds., selectivity for pTACE relative to MMP-1,-2, and -9 is at least 300-fold. Compound (I) was potent in inhibition of TNF $\alpha$  production in a human whole blood assay (WBA) with an IC50 of 0.42  $\mu$ M.

IT 572911-96-7P 572911-97-8P 572911-98-9P

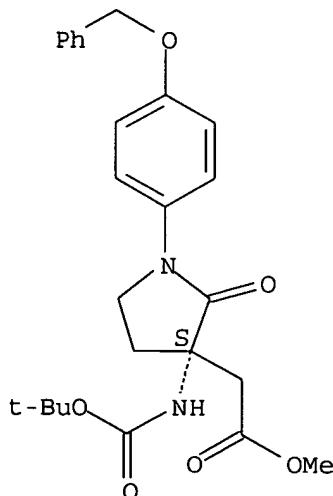
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and structure activity of hydroxy(oxopyrrolidinyl)acetamides as inhibitors of tumor necrosis factor- $\alpha$  converting enzyme (TACE))

RN 572911-96-7 HCPLUS

CN 3-Pyrrolidineacetic acid, 3-[[[(1,1-dimethylethoxy)carbonyl]amino]-2-oxo-1-[4-(phenylmethoxy)phenyl]-, methyl ester, (3S)- (9CI) (CA INDEX NAME)

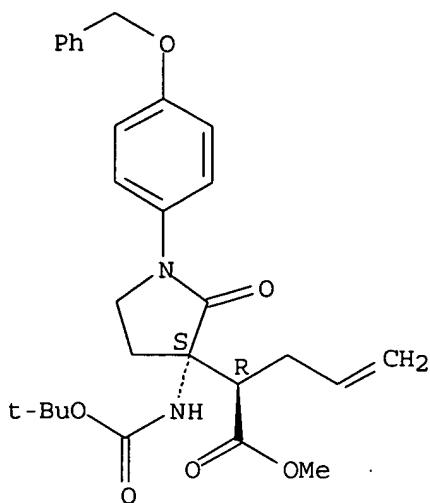
Absolute stereochemistry.



RN 572911-97-8 HCPLUS

CN 3-Pyrrolidineacetic acid, 3-[[[(1,1-dimethylethoxy)carbonyl]amino]-2-oxo-1-[4-(phenylmethoxy)phenyl]- $\alpha$ -2-propenyl-, methyl ester, ( $\alpha$ R,3S)- (9CI) (CA INDEX NAME)

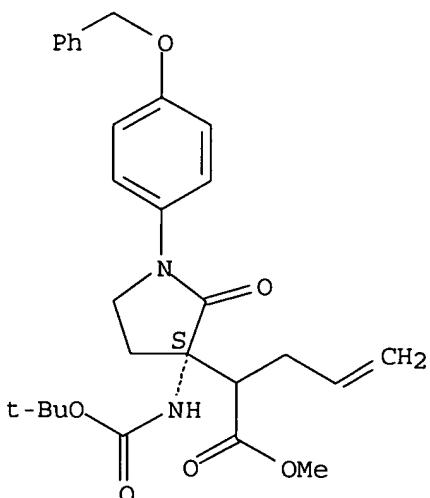
Absolute stereochemistry.



RN 572911-98-9 HCAPLUS

CN 3-Pyrrolidineacetic acid, 3-[(1,1-dimethylethoxy)carbonyl]amino-2-oxo-1-[4-(phenylmethoxy)phenyl]- $\alpha$ -2-propenyl-, methyl ester, (3S)- (9CI)  
(CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2000:725400 HCAPLUS

DOCUMENT NUMBER: 133:296371

TITLE: Novel lactam inhibitors of matrix metalloproteinases, TNF- $\alpha$ , and aggrecanase

INVENTOR(S): Duan, Jingwu

PATENT ASSIGNEE(S): Du Pont Pharmaceuticals Co., USA

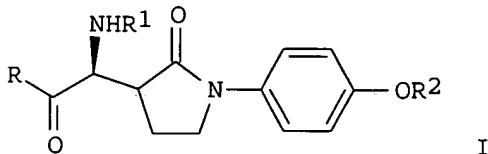
SOURCE: PCT Int. Appl., 78 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000059285	A2	20001012	WO 2000-US8363	20000330
WO 2000059285	A3	20010118		
W: AU, BR, CA, CN, CZ, EE, HU, IL, IN, JP, KR, LT, LV, MX, NO, NZ, PL, RO, SG, SI, SK, TR, UA, VN, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2361848	AA	20001012	CA 2000-2361848	20000330
EP 1165546	A2	20020102	EP 2000-921501	20000330
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
US 6495548	B1	20021217	US 2000-540056	20000331
PRIORITY APPLN. INFO.:				
US 1999-127594P P 19990402				
WO 2000-US8363 W 20000330				
OTHER-SOURCE(S):	MARPAT 133:296371			
GI				

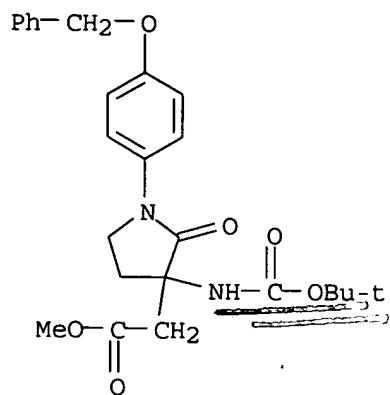


AB Lactams were prepared for use as inhibitors of matrix metalloproteinases, TNF- $\alpha$ , and aggrecanase (no data). Thus, Me<sub>3</sub>CO<sub>2</sub>CNH-L-Asp(OMe)-OH was esterified with MeI, allylated, the allyl substituent ozonolyzed to the aldehyde, and cyclized with 4-PhCH<sub>2</sub>OC<sub>6</sub>H<sub>4</sub>NH<sub>2</sub> to give the pyrrolidinone I [R = OMe, R<sub>1</sub> = CO<sub>2</sub>CMe<sub>3</sub>, R<sub>2</sub> = CH<sub>2</sub>Ph]. This compound was converted to the free phenol, treated with 4-chloromethyl-2-methylquinoline-HCl, followed by deblocking and pivaloylation of the amine and treatment with NH<sub>2</sub>OH-KOH to give the hydroxamic acid I [R = HONH, R<sub>1</sub> = COCMe<sub>3</sub>, R<sub>2</sub> = 2-methyl-4-quinoliny].

IT 300856-61-5P 300856-62-6P 300856-67-1P  
 300856-72-8P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation of novel lactam inhibitors of matrix metalloproteinases, TNF- $\alpha$ , and aggrecanase)

RN 300856-61-5 HCPLUS

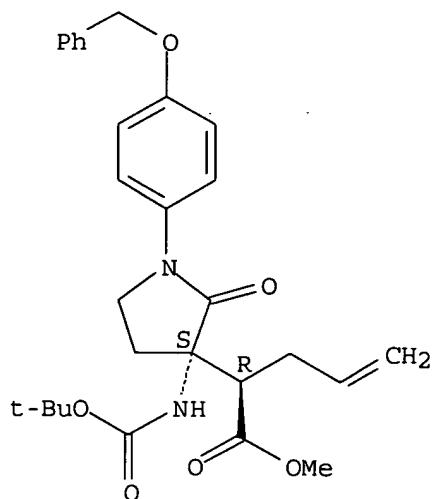
CN 3-Pyrrolidineacetic acid, 3-[[[(1,1-dimethylethoxy)carbonyl]amino]-2-oxo-1-[4-(phenylmethoxy)phenyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 300856-62-6 HCAPLUS

CN 3-Pyrrolidineacetic acid, 3-[(1,1-dimethylethoxy)carbonyl]amino-2-oxo-1-[4-(phenylmethoxy)phenyl]- $\alpha$ -2-propenyl-, methyl ester,  
( $\alpha$ R,3S)-rel- (9CI) (CA INDEX NAME)

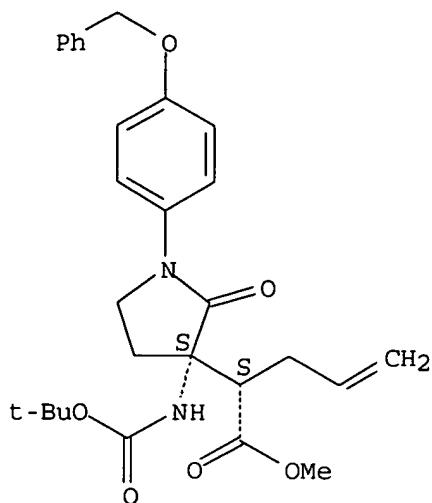
Relative stereochemistry.



RN 300856-67-1 HCAPLUS

CN 3-Pyrrolidineacetic acid, 3-[(1,1-dimethylethoxy)carbonyl]amino-2-oxo-1-[4-(phenylmethoxy)phenyl]- $\alpha$ -2-propenyl-, methyl ester,  
( $\alpha$ R,3R)-rel- (9CI) (CA INDEX NAME)

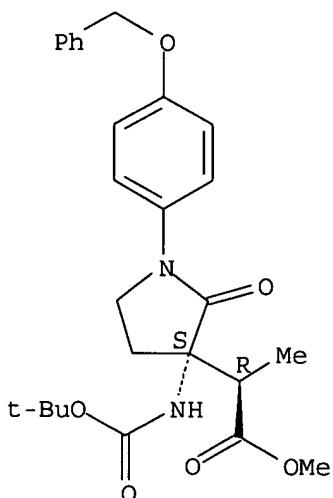
Relative stereochemistry.



RN 300856-72-8 HCAPLUS

CN 3-Pyrrolidineacetic acid, 3-[(1,1-dimethylethoxy)carbonyl]amino-α-methyl-2-oxo-1-[4-(phenylmethoxy)phenyl]-, methyl ester, (αR,3S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



=&gt; d 116 ibib abs hitstr tot

L16 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2000:219268 HCAPLUS

DOCUMENT NUMBER: 132:223506

TITLE: Manufacture of glass fabric laminates containing bismaleimide-based polyamine-polyimides with high heat stability

INVENTOR(S): Pecincu, Silvia; Taranu, Valentina

PATENT ASSIGNEE(S): Rom.

SOURCE: Rom., 4 pp.

CODEN: RUXXA3

DOCUMENT TYPE:

Patent

LANGUAGE:

Romanian

FAMILY ACC. NUM. COUNT:

1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	-----	-----	-----	-----
RO 108457	B1	19940531	RO 1990-145467	19900702
PRIORITY APPLN. INFO.:			RO 1990-145467	19900702

AB Bismaleimide-based polyamine-polyimide-containing glass fabric laminates with increased heat stability and good bending and compression strength, useful in the elec. industry, contain a N,N'-4,4'-dibenzilbismaleimide-4,4'-diaminobenzil copolymer prepared by reaction of the corresponding monomers in a 2.5:1 mol ratio, resp.

IT 261175-01-3P

RL: IMF (Industrial manufacture); POF (Polymer in formulation); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)  
(manufacture of glass fabric laminates containing bismaleimide-based polyamine-polyimides with high heat stability)

RN 261175-01-3 HCPLUS

CN Poly[(2,5-dioxo-3,1-pyrrolidinediyl)-1,4-phenylene-1,2-ethanediyl-1,4-phenylene(2,5-dioxo-1,3-pyrrolidinediyl)imino-1,4-phenylene-1,2-ethanediyl-1,4-phenyleneimino] (9CI) (CA INDEX NAME)

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

L16 ANSWER 2 OF 2 HCPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1982:598652 HCPLUS

DOCUMENT NUMBER: 97:198652

TITLE: 1,2-Bis(3-carboxyacryloyl)hydrazine. IV.  
Transamidation and addition reactions of  
1,2-bis(3-carboxyacryloyl)hydrazine with aromatic  
diamines

AUTHOR(S): Gherasim, G. M.; Zugravescu, I.

CORPORATE SOURCE: Inst. Macromol. Chem. "P. Poni", Jassy, Rom.

SOURCE: European Polymer Journal (1982), 18(7), 577-82

DOCUMENT TYPE: CODEN: EUPJAG; ISSN: 0014-3057

LANGUAGE: Journal

LANGUAGE: English

AB Aromatic polyaminomaleimides were prepared by polytransamidation, polyaddn., and ring closure of 1,2-bis(3-carboxyacryloyl)hydrazine with aromatic diamines. The polymers were prepared in situ or by separation of poly[( $\alpha$ -aminoaryl)amidosuccinamic acids]. The polyamic acids were cyclized in DMF in the presence of Ac2O or polyphosphoric acid; in m-cresol, mixts. of poly(succinamic acids) and polymaleimides were obtained. The thermally stable polymers were characterized by elemental, spectral, and thermal analyses, viscosity, and solubility. They gave transparent, brittle films.

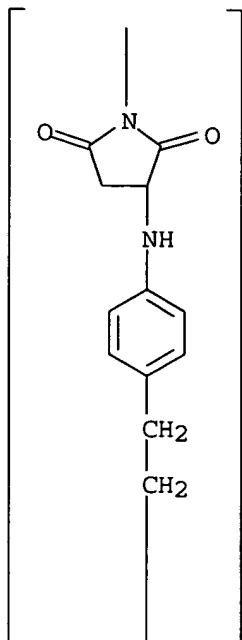
IT 83574-93-0P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)

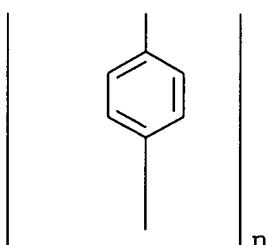
09/10/2005 10666594.trn

(preparation and properties of)  
RN 83574-93-0 HCAPLUS  
CN Poly[(2,5-dioxo-1,3-pyrrolidinediyl)imino-1,4-phenylene-1,2-ethanediyl-1,4-phenylene] (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A



=> d 119 ibib abs hitstr 1-10

L19 ANSWER 1 OF 25 HCAPLUS COPYRIGHT 2005 ACS on STN  
ACCESSION NUMBER: 1994:324941 HCAPLUS  
DOCUMENT NUMBER: 120:324941  
TITLE: Imide epoxy resin composition for sealing  
semiconductor elements  
INVENTOR(S): Kim, Whan G.; Lee, Byung W.; Lee, Ji Y.  
PATENT ASSIGNEE(S): Cheil Industries, Inc., S. Korea  
SOURCE: U.S., 9 pp.

CODEN: USXXAM

DOCUMENT TYPE:

Patent

LANGUAGE:

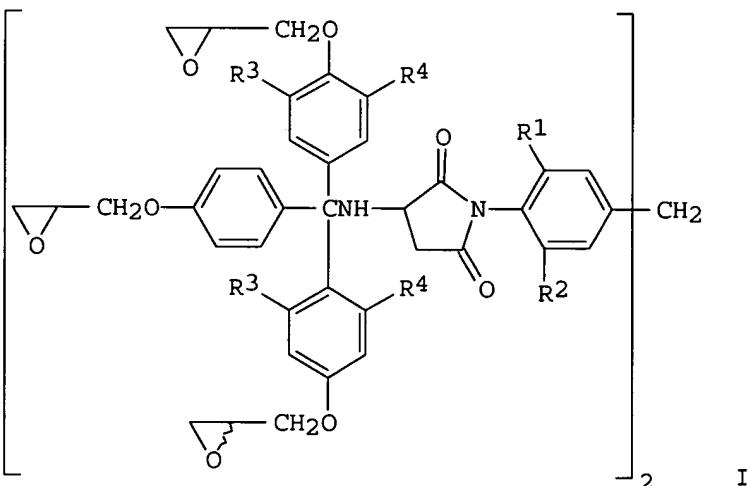
English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5254605	A	19931019	US 1992-964457	19921021 <--
KR 9610305	B1	19960730	KR 1991-21870	19911130 <--
KR 9610306	B1	19960730	KR 1991-21871	19911130 <--
KR 9610307	B1	19960730	KR 1991-21872	19911130 <--
JP 06053364	A2	19940225	JP 1992-278866	19921016 <--
JP 07094535	B4	19951011		
KR 9607928	B1	19960617	KR 1996-10524	19960408 <--
KR 172662	B1	19990330	KR 1996-10883	19960408 <--
KR 172663	B1	19990330	KR 1996-10884	19960408 <--
PRIORITY APPLN. INFO.:			KR 1991-21870	A 19911130
			KR 1991-21871	A 19911130
			KR 1991-21872	A 19911130

GI



AB The composition comprises an o-cresol novolak epoxy resin (A), a novolak phenolic resin (B) curing agent, a curing accelerator, a plasticizer, and a high-performance epoxy resin I [R1, R2 = independently H or (CH<sub>2</sub>)<sub>n</sub>Me where n = 0, ≥1; R3, R4 = independently H, tert-Bu, Me]. Thus, a composition of A 3.07, B 5.83, Ph<sub>3</sub>P 0.4, I (R1 = R2 = H or alkyl; R3 = R4 = H; ) 12.0, fused silica 73.8, plasticizer 1.2, and brominated epoxy resin 1.25, KBM 403 1.11, carnauba wax 0.23, Sb<sub>2</sub>O<sub>3</sub> 0.85, and carbon black 0.26 parts cured to give moldings with increased crack and moisture and heat resistances.

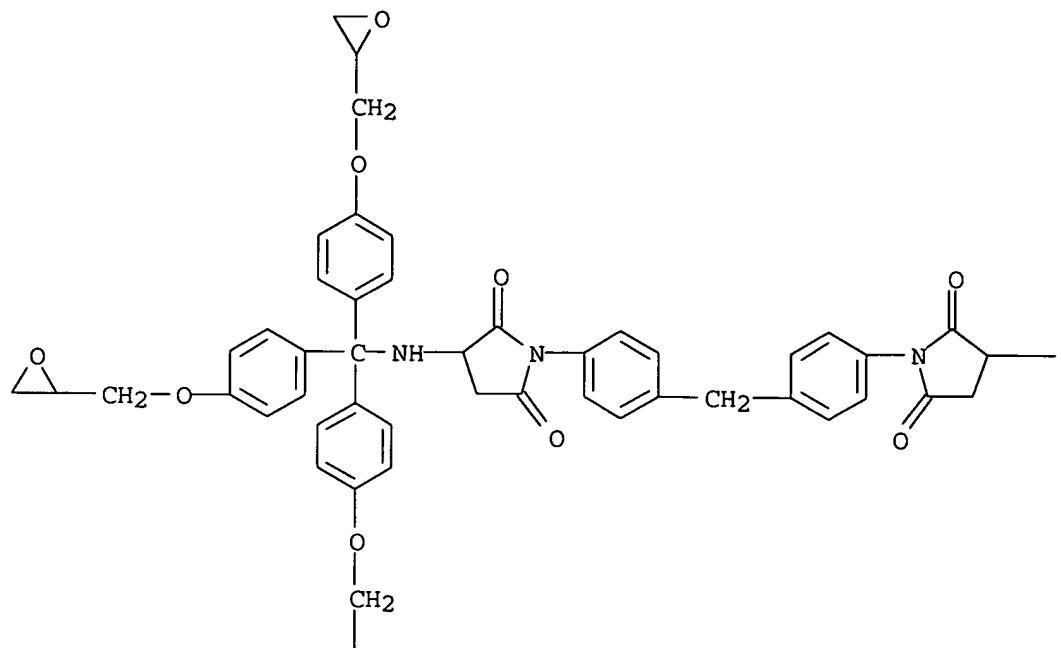
IT 155409-98-6D, alkyl derivs.

RL: USES (Uses)  
(phenolic epoxy resin compns. containing, silica-filled, for potting)

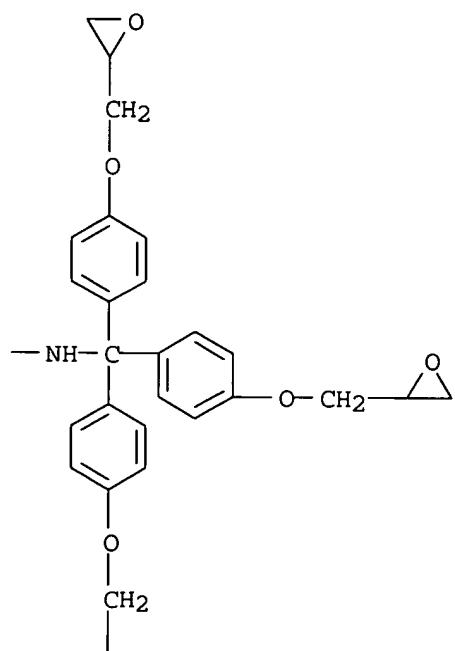
RN 155409-98-6 HCPLUS

CN 2,5-Pyrrolidinedione, 1,1'-(methylenedi-4,1-phenylene)bis[3-[[tris[4-(oxiranylmethoxy)phenyl]methyl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B



PAGE 2-A



PAGE 2-B



L19 ANSWER 2 OF 25 HCPLUS COPYRIGHT 2005 ACS on STN  
 ACCESSION NUMBER: 1993:26139 HCPLUS  
 DOCUMENT NUMBER: 118:26139  
 TITLE: Agglomerated metal powders  
 INVENTOR(S): Dinger, Rudolf; Soder, Robert; Willemin, Albert  
 PATENT ASSIGNEE(S): ETA SA Fabriques d'Ebauches, Switz.  
 SOURCE: Eur. Pat. Appl., 11 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: French  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 480317	A1	19920415	EP 1991-116928	19911004 <--
EP 480317	B1	19960110		
R: AT, BE, DE, FR, GB, IT				
US 5260018	A	19931109	US 1991-770455	19911003 <--
AT 132782	E	19960115	AT 1991-116928	19911004 <--
JP 04323301	A2	19921112	JP 1991-287301	19911008 <--

PRIORITY APPLN. INFO.: CH 1990-3256 A 19901010  
 AB The agglomerated metal powder is produced by mixing a fine metal powder with a polymer binder, compacting under a high pressure, and heating to harden the binder. The amount of binder is 0.5-7 volume%. The products are suitable for manufacture of watch parts. Thus, 993 g Sn bronze (Cu/Sn 93.5/6.5) powder <60  $\mu$ m was mixed with 7 g polysulfone (bisphenol A-4,4'-dichlorodiphenylsulfone copolymer) dissolved in 40/60 volume% mixture of methylene chloride and toluene. After evaporation of solvent, the powdered mixture was compacted in a mold at 12 ton/cm<sup>2</sup> and cured 10 min at 340°. The final product consisted of 95.4 metal and 4.5 volume% polymer binder.

IT 35064-37-0  
 RL: USES (Uses)

(binder, for metal powder compacts for watch parts)

RN 35064-37-0 HCPLUS

CN Poly[(2,5-dioxo-3,1-pyrrolidinediyl)-1,4-phenylenemethylene-1,4-phenylene(2,5-dioxo-1,3-pyrrolidinediyl)imino-1,4-phenylenemethylene-1,4-phenyleneimino] (9CI) (CA INDEX NAME)

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

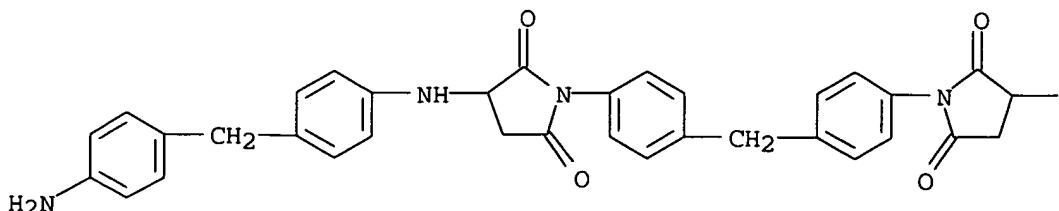
L19 ANSWER 3 OF 25 HCAPLUS COPYRIGHT 2005 ACS on STN  
 ACCESSION NUMBER: 1990:613516 HCAPLUS  
 DOCUMENT NUMBER: 113:213516  
 TITLE: Polyimide compositions and semiconductor devices sealed in them  
 INVENTOR(S): Shiobara, Toshio; Futatsumori, Koji; Jingu, Shinichi  
 PATENT ASSIGNEE(S): Shin-Etsu Chemical Industry Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

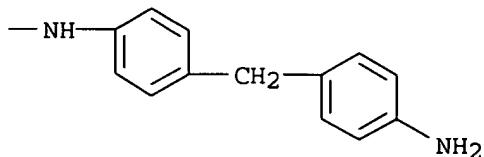
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 02117958	A2	19900502	JP 1989-172517	19890704 <--
US 5235005	A	19930810	US 1991-779166	19911021 <--
PRIORITY APPLN. INFO.:			JP 1988-167118	A1 19880705
			US 1989-373192	B1 19890629

AB Polyimide compns. which cure to form thermal shock-resistant packages for semiconductor devices contain epoxy or amino group-containing organosilicon compds. and/or copolymers of aromatic polymers with organosilicon compds. Thus, N,N'-diphenylmethanebismaleimide, a copolymer of 2-allylphenol-modified novolak epoxy resin with H-terminated di-Me siloxane, powdered SiO<sub>2</sub>, 3-glycidoxypropyltrimethoxysilane, Wax E, Ph3P, and carbon black were kneaded to form a composition which when molded at 175° and post-cured at 200° showed flexural strength 13.8 kg/mm<sup>2</sup>, flexural modulus 1410 kg/mm<sup>2</sup>, thermal expansion coefficient 1.7 + 10-5/°C, glass transition temperature 245°, and cracks in 0% of specimens after 20 cycles of 1 min at -195°, then 30 s at +260°; vs. 10.9 and 1650 kg/cm<sup>2</sup>, 1.8 + 10-5/°C, 210°, and 100%, resp., for a control without the epoxy resin-siloxane copolymer.

IT 41596-42-3P  
 RL: PREP (Preparation)  
 (preparation of, as crosslinking agents for siloxane-modified epoxy resin semiconductor device packages)  
 RN 41596-42-3 HCAPLUS  
 CN 2,5-Pyrrolidinedione, 1,1'-(methylenedi-4,1-phenylene)bis[3-[[4-[(4-aminophenyl)methyl]phenyl]amino]- (9CI) (CA INDEX NAME)

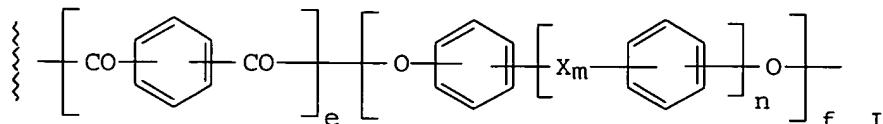
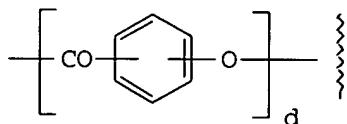
PAGE 1-A





L19 ANSWER 4 OF 25 HCPLUS COPYRIGHT 2005 ACS on STN  
 ACCESSION NUMBER: 1987:103406 HCPLUS  
 DOCUMENT NUMBER: 106:103406  
 TITLE: Nonstick plastic ovenware  
 INVENTOR(S): Tsumato, Teruo; Asai, Kuniaki; Kobayashi, Tadayasu  
 PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 61199821	A2	19860904	JP 1985-41635	19850301 <--
JP 04020327	B4	19920402		
US 4741955	A	19880503	US 1986-832330	19860224 <--
EP 199020	A2	19861029	EP 1986-102488	19860226 <--
EP 199020	A3	19871111		
EP 199020	B1	19911023		
R: BE, DE, FR, GB, IT, NL				
CA 1281950	A1	19910326	CA 1986-502933	19860228 <--
PRIORITY APPLN. INFO.:			JP 1985-41635	A 19850301
GI				



AB Title ovenware was molded from aromatic polyesters I ( $X = C1-4$  alkylene,  $O, SO_2, S, CO$ ;  $m, n = 0, 1$ ;  $d:e = 1-10:1$ ;  $e:f = 9-10:10-9$ ) containing inorg. fillers and coated with a fluoropolymer. Thus, a polyester of  $(CO_6H_4O)_2(CO_6H_4CO)(OC_6H_4C_6H_4O)_2$  (all p-bonding) repeating units was

injection-molded with 40% glass fiber to give a specimen with tensile strength 1080 kg/cm<sup>2</sup>, elongation at break 2.4%, modulus 103,000 kg/cm<sup>2</sup>, and heat-distortion temperature >300°. This molding was heat-treated at 250, 300; 330, and 360° for 2 h each, primered with Polyflon Enamel EK-1908GY (fluoropolymer), dried at 100° for 20 min, spray-coated with a PTFE enamel, heated to 360° over 1 h, and baked at 360° for 30 min (coating thickness, 25 µ) to give brown microwavable nonstick ovenware.

IT 35064-37-0, Kerimid 601

RL: USES (Uses)  
(fluoropolymer coatings containing, nonstick, for aromatic polyester ovenwares, microwavable)

RN 35064-37-0 HCPLUS

CN Poly[(2,5-dioxo-3,1-pyrrolidinediyl)-1,4-phenylenemethylene-1,4-phenylene(2,5-dioxo-1,3-pyrrolidinediyl)imino-1,4-phenylenemethylene-1,4-phenyleneimino] (9CI) (CA INDEX NAME)

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

L19 ANSWER 5 OF 25 HCPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1987:19644 HCPLUS

DOCUMENT NUMBER: 106:19644

TITLE: Aramid fabric preprints with good adhesion

INVENTOR(S): Ueno, Susumu; Nomura, Hirokazu; Kuroda, Koichi

PATENT ASSIGNEE(S): Shin-Etsu Chemical Industry Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 61171739	A2	19860802	JP 1985-11885	19850125 <--
JP 03062179	B4	19910925		
US 4637851	A	19870120	US 1986-819694	19860117 <--
EP 192510	A1	19860827	EP 1986-400101	19860120 <--

R: DE, FR, GB, IT

PRIORITY APPLN. INFO.:	JP 1985-11885	A 19850125
	JP 1985-11886	A 19850125

AB Laminates with good strength, dimensional stability and interlayer adhesion are prepared by plasma-treating aramid fabrics at low temperature and 0.05-20 mm, impregnating with polyimides, drying, and hot-pressing the preprints. Thus, Kevlar fabric was plasma-treated for 1 min in 1:3 N-O at 0.3 mm and 25 kW, impregnated with an equal weight of 50% N-methylpyrrolidone solution of Kerimid 601, and heated 15 min at 150° to give a prepreg, 10 of which were pressed between 35-µ Cu foils at 200° and 25 kg/cm<sup>2</sup> for 1 h and cured 3 h at 200° to give a laminate with interlayer adhesion 1.1 kg/cm, compared with 0.5 without plasma treatment.

IT 35064-37-0, Kerimid 601

RL: USES (Uses)

(prepregs with aramid fabrics, plasma treatment for adhesion in)  
 RN 35064-37-0 HCPLUS  
 CN Poly[(2,5-dioxo-3,1-pyrrolidinediyl)-1,4-phenylenemethylene-1,4-phenylene(2,5-dioxo-1,3-pyrrolidinediyl)imino-1,4-phenylenemethylene-1,4-phenyleneimino] (9CI) (CA INDEX NAME)

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

L19 ANSWER 6 OF 25 HCPLUS COPYRIGHT 2005 ACS on STN  
 ACCESSION NUMBER: 1986:592525 HCPLUS  
 DOCUMENT NUMBER: 105:192525  
 TITLE: Resin-impregnated aromatic polyamide fiber prepreg  
 INVENTOR(S): Ueno, Susumu; Hoshida, Shigehiro; Nomura, Hirokazu  
 PATENT ASSIGNEE(S): Shin-Etsu Chemical Co., Ltd., Japan  
 SOURCE: Eur. Pat. Appl., 24 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 191680	A1	19860820	EP 1986-400168	19860128 <--
R: DE, FR, GB, IT				
JP 61174230	A2	19860805	JP 1985-15769	19850130 <--
JP 04017214	B4	19920325		
JP 61174231	A2	19860805	JP 1985-15770	19850130 <--
JP 03060854	B4	19910918		
US 4664936	A	19870512	US 1986-816309	19860106 <--
PRIORITY APPLN. INFO.:			JP 1985-15769	A 19850130
			JP 1985-15770	A 19850130

AB The title prepgs are prepared by pretreatment of aromatic polyamide fabrics with low-temperature plasmas and impregnation with resin binders. Woven K-120 cloth was subjected to a low-temperature plasma at 1.0 mm until surface roughness was 0.05-0.15  $\mu$ m. The plasma-treated cloth was impregnated with a 50% N-methylpyrrolidone solution of Kerimide 601, heated at 150°, and laminated with polyimide films at 200° to give a cured laminate having 90° peel strength 1.1 kg/in., compared with 0.2 without the plasma treatment.

IT 35064-37-0

RL: USES (Uses)

(binders, for aromatic polyamide fiber prepgs)

RN 35064-37-0 HCPLUS

CN Poly[(2,5-dioxo-3,1-pyrrolidinediyl)-1,4-phenylenemethylene-1,4-phenylene(2,5-dioxo-1,3-pyrrolidinediyl)imino-1,4-phenylenemethylene-1,4-phenyleneimino] (9CI) (CA INDEX NAME)

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

L19 ANSWER 7 OF 25 HCPLUS COPYRIGHT 2005 ACS on STN  
 ACCESSION NUMBER: 1986:111001 HCPLUS  
 DOCUMENT NUMBER: 104:111001  
 TITLE: Lightweight fire-resistant graphite composites  
 INVENTOR(S): Kourtides, Demetrios A.; Parker, John A.; Hsu, Ming Ta S.  
 PATENT ASSIGNEE(S): United States National Aeronautics and Space Administration, USA  
 SOURCE: U. S. Pat. Appl., 36 pp. Avail. NTIS Order No. PAT-APPL-6-706 682.  
 CODEN: XAXXAV  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 706682	A0	19851025	US 1985-706682	19850228 <--
PRIORITY APPLN. INFO.:			US 1985-706682	19850228
AB	Light weight, fire-resistant honeycomb core composites having facesheets made up of reinforced bismaleimide resin-vinylstyrylpyridine copolymer reaction products exhibit low heat release rates, low smoke generation, and excellent heat resistance, and are useful construction materials for aircraft and spacecraft. The composites have an aromatic polyamide paper honeycomb and employ fibers, e.g., graphite, BN, and aramid, as facesheet reinforcement. The facesheet is covered with a decorative polyether-ether ketone oversheet.			
IT	35064-37-0D, reaction products with methylvinylpyridine-unsatd. aromatic dialdehyde copolymers			
RL: USES (Uses)	(polyether-ether-ketone laminate honeycomb composites, fire- and heat-resistant)			
RN	35064-37-0 HCPLUS			
CN	Poly[(2,5-dioxo-3,1-pyrrolidinediyl)-1,4-phenylenemethylene-1,4-phenylene(2,5-dioxo-1,3-pyrrolidinediyl)imino-1,4-phenylenemethylene-1,4-phenyleneimino] (9CI) (CA INDEX NAME)			

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

L19 ANSWER 8 OF 25 HCPLUS COPYRIGHT 2005 ACS on STN  
 ACCESSION NUMBER: 1985:505978 HCPLUS  
 DOCUMENT NUMBER: 103:105978  
 TITLE: Copper foil laminates with high thermal conductivity  
 PATENT ASSIGNEE(S): Mitsubishi Electric Corp., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.  
 CODEN: JKXXAF

DOCUMENT TYPE: **Patent**  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 60083831	A2	19850513	JP 1983-192090	19831014 <--
JP 01045417	B4	19891003		
US 4578308	A	19860325	US 1984-647638	19840906 <--
PRIORITY APPLN. INFO.: JP 1983-192090 A 19831014				
AB A Cu foil laminate exhibiting high thermal conductivity and high dimensional stability is prepared from a thermosetting resin-impregnated paper from alumina short fiber with diameter $\leq$ 100 $\mu$ and aspect ratio $\geq$ 10 and organic microfibrils. Thus, a mixture of alumina short fiber (diameter 3 $\mu$ , fiber length 50-100 $\mu$ ) 100, cellulose fiber 266.5, and 1.25% Kymene 557 H (water repellent) 8.48 g in water was filtered to give paper (thickness .apprx.0.15 mm) containing 94% alumina exhibiting tensile strength 36.3 kg/cm <sup>2</sup> after drying at 160°. A stack of 16 papers which had been impregnated with a mixture of Epikote 828 [25068-38-6] 100, 4,4'-diaminodiphenyl sulfone 20, a BF <sub>3</sub> -based catalyst 1, and MEK 90 parts, dried at 160° for 10 min, pressed with a 35- $\mu$ Cu foil at 160° for 30 min, and aged at 180° for 1 h to give a sample exhibiting flexural strength 51 kg/mm <sup>2</sup> , thermal conductivity 1.93 kcal/m-h-k, dimensional changes 0.02-0.07% after 600 h at 150°, and volume resistivity 3.6 + 1015 $\Omega$ -cm.				
IT 35064-37-0	RL: USES (Uses)	(alumina fiber-containing paper impregnated with, copper foil laminates, with high thermal conductivity and high dimensional stability)		
RN 35064-37-0 HCPLUS				
CN Poly[(2,5-dioxo-3,1-pyrrolidinediyl)-1,4-phenylenemethylene-1,4-phenylene(2,5-dioxo-1,3-pyrrolidinediyl)imino-1,4-phenylenemethylene-1,4-phenyleneimino] (9CI) (CA INDEX NAME)				

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

L19 ANSWER 9 OF 25 HCPLUS COPYRIGHT 2005 ACS on STN  
 ACCESSION NUMBER: 1985:455187 HCPLUS  
 DOCUMENT NUMBER: 103:55187  
 TITLE: Rigid, zeolite-containing polyurethane foams  
 INVENTOR(S): Frost, Charles B.  
 PATENT ASSIGNEE(S): United States Dept. of Energy, USA  
 SOURCE: U.S., 6 pp.  
 DOCUMENT TYPE: **Patent**  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
------------	------	------	-----------------	------

US 4518718	A	19850521	US 1984-611772	19840518 <--
US 611772	A0	19851011		

PRIORITY APPLN. INFO.: US 1984-611772 19840518

AB Rigid, closed-cell polyurethane foam articles having excellent heat resistance and compressive strength and a modified moisture-adsorption capacity of  $\leq 18\%$  contain zeolite powder or pellets. Thus, a molded desiccant foam containing 50% zeolite mol. sieves and 50% polyurethane matrix was prepared from a polyol component containing the hexafunctional polyol LS

490

100.0, water 0.3, silicone surfactant DC193 3.0, tetramethylbutane diamine catalyst 0.2, zeolite 13X powder 103.5, and Freon 113 10.0-15.0 parts and an isocyanate component containing PAPI 135 150.0, silicone surfactant DC 193 3.0, zeolite 13X powder 1563.0, and Freon 113 10.0-15.0 parts. The molded foam had heat distortion temperature 354°F, compressive modulus 169,900 psi at 68°F and 45,700 psi at 350°F, and compressive strength 6500 psi at 68°F and 2000 psi at 350°F.

IT 97464-55-6

RL: TEM (Technical or engineered material use); USES (Uses)  
(cellular, containing zeolites, desiccants)

RN 97464-55-6 HCPLUS

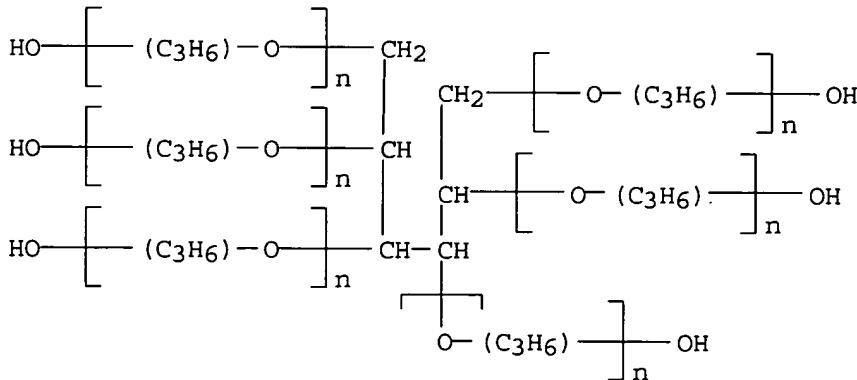
CN Isocyanic acid, polymethylenopolyphenylene ester, polymer with  $\alpha$ -hydro- $\omega$ -hydroxypoly[oxy(methyl-1,2-ethanediyl)] ether with D-glucitol (6:1) and poly[(2,5-dioxo-3,1-pyrrolidinediyl)-1,4-phenylenemethylene-1,4-phenylene(2,5-dioxo-1,3-pyrrolidinediyl)imino-1,4-phenylenemethylene-1,4-phenyleneimino] (9CI) (CA INDEX NAME)

CM 1

CRN 52625-13-5

CMF (C<sub>3</sub> H<sub>6</sub> O)<sub>n</sub> C<sub>6</sub> H<sub>14</sub> O<sub>6</sub>

CCI IDS, PMS



CM 2

CRN 35064-37-0

CMF (C<sub>34</sub> H<sub>28</sub> N<sub>4</sub> O<sub>4</sub>)<sub>n</sub>

CCI PMS

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

CM 3

CRN 9016-87-9  
 CMF Unspecified  
 CCI PMS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

L19 ANSWER 10 OF 25 HCPLUS COPYRIGHT 2005 ACS on STN  
 ACCESSION NUMBER: 1985:83111 HCPLUS  
 DOCUMENT NUMBER: 102:83111  
 TITLE: Polymer composition containing an organic metal complex, and resulting metallized film  
 INVENTOR(S): Takakura, Makoto; Kondo, Susumu; Nogami, Tatsuya  
 PATENT ASSIGNEE(S): Nissan Chemical Industries, Ltd. , Japan  
 SOURCE: Eur. Pat. Appl., 73 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 125617	A2	19841121	EP 1984-105219	19840508 <--
EP 125617	A3	19851009		
EP 125617	B1	19931208		
R: BE, CH, DE, FR, GB, IT, LI, NL				
JP 59207944	A2	19841126	JP 1983-82170	19830511 <--
JP 61038938	B4	19860901		
JP 59207938	A2	19841126	JP 1983-82171	19830511 <--
JP 60199063	A2	19851008	JP 1984-55566	19840323 <--
JP 61039346	B4	19860903		
JP 60199642	A2	19851009	JP 1984-55565	19840323 <--
JP 62045060	B4	19870924		
US 4604303	A	19860805	US 1984-607214	19840504 <--
US 4666742	A	19870519	US 1985-783131	19851002 <--
PRIORITY APPLN. INFO.:			JP 1983-82170	A 19830511
			JP 1983-82171	A 19830511
			JP 1984-55565	A 19840323
			JP 1984-55566	A 19840323
			JP 1984-65627	A 19840402
			US 1984-607214	A1 19840504

AB Mixts. containing a polymer and dispersed or dissolved organometallic complex are given. Following the application of the mixture on a substrate, a metallized polymer film is obtained by heating to decompose the complex and release the metal. The resulting films are useful for printed elec.-circuit boards. Thus, Udel P-1700 [25135-51-7] polysulfone polymer 5, di- $\mu$ -chlorobis( $\eta$ -2-methylallyl)dipalladium [12081-18-4] organometallic complex 2.31, and chloroform solvent 66.4 g were mixed and gave a polysulfone:Pd weight ratio of 8:2. The resulting solution was spread on a Cu plate to a thickness of 0.4 mm, evaporated to remove the solvent, and

heated 5 min at 175° to decompose the organometallic complex adjacent to the Cu surface. After peeling the film from the plate, the total film thickness was 25μ and consisted of 5μ Pd and balance polysulfone. The film was flexible and strong, and the elec. conducting Pd layer was integral with the polymer.

IT 35064-37-0

RL: USES (Uses)

(palladium-coated polymer film prepared from solution containing)

RN 35064-37-0 HCPLUS

CN Poly[(2,5-dioxo-3,1-pyrrolidinediyl)-1,4-phenylenemethylene-1,4-phenylene(2,5-dioxo-1,3-pyrrolidinediyl)imino-1,4-phenylenemethylene-1,4-phenyleneimino] (9CI) (CA INDEX NAME)

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

=&gt; log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

FULL ESTIMATED COST

ENTRY

SESSION

88.80

599.22

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

CA SUBSCRIBER PRICE

ENTRY

SESSION

-10.95

-10.95

STN INTERNATIONAL LOGOFF AT 21:38:58 ON 10 SEP 2005